

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) An air conditioning system reversible for heat pump operation, comprising a circuit through which refrigerant flows and in which are arranged a refrigerant compressor and a first heat exchanger, an inner heat exchanger, an expansion element comprising antiparallel bypasses, and a second heat exchanger, the first heat exchanger serving as a gas cooler in AC operation and the second heat exchanger serving as an evaporator in AC operation, further comprising at least one valve configured to deactivate the inner heat exchanger during heat pump operation.
2. (Previously Presented) The air conditioning system as claimed in claim 1, wherein the at least one valve configured to deactivate the inner heat exchanger comprises two non-return valves.
3. (Previously Presented) The air conditioning system as claimed in claim 1, further comprising a device for reversing the flow direction of the refrigerant comprising a cross-over circuit of the back pressure and high pressure connections on or in the refrigerant compressor.
4. (Previously Presented) The air conditioning system as claimed in claim 2, wherein the non-return valves are provided on or in the inner heat exchanger.
5. (Previously Presented) The air conditioning system as claimed in claim 1, wherein the refrigerant compressor can be operated in two directions or a correspondingly acting configuration of lines and valves is provided.
6. (Canceled)
7. (Previously Presented) The air conditioning system as claimed in claim 1, wherein the heat exchanger which serves as an evaporator in AC operation functions as a heater in heat pump operation.

8. (Previously Presented) The air conditioning system as claimed in claim 1, wherein CO<sub>2</sub> is used as the refrigerant.

9 - 10. (Canceled)

11. (Previously Presented) A method for operating an air conditioning system as claimed in claim 1, the refrigerant flowing through the circuit counter to the normal flow direction, and the inner heat exchanger being bypassed, during heat pump operation.